

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24	((("2457673") or ("2524290") or ("2792548") or ("3456185") or ("3691453") or ("3691454") or ("4181437") or ("4364008") or ("4482634") or ("4703273") or ("4711765") or ("4759210") or ("4896097") or ("4998433") or ("5057782") or ("5059927") or ("5124653") or ("5198776") or ("5548217") or ("5748309") or ("6012675") or ("6182011") or ("6281801") or ("6888342"))).PN.	USPAT	OR	OFF	2007/08/17 10:24
L2	20	1 and ((submillimeter or sub-millimeter or microwave) with spectr\$6 wtih gas\$3)	USPAT	OR	ON	2007/08/17 10:30
L3	8	2 and ((second or other or different or another or multiple) with gas\$3)	USPAT	OR	ON	2007/08/17 10:31
L4	0	2 and (((second or other or different or another or multiple) with gas\$3) same peak)	USPAT	OR	ON	2007/08/17 10:31
L5	0	((detect\$4 or metermin\$4 or measur\$4) chemical and gas and submillimeter and spectrum and peak).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/17 10:32
L6	4	((detect\$4 or metermin\$4 or measur\$4) chemical and gas and (microwave or sub-millimeter or submillimeter) and spectr\$6 and peak).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/17 10:33
L7	9	((detect\$4 or metermin\$4 or measur\$4) and gas and (microwave or sub-millimeter or submillimeter) and spectr\$6 and peak).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/17 10:34
L8	9	((detect\$4 or metermin\$4 or measur\$4) and gas\$3 and (microwave or sub-millimeter or submillimeter) and spectr\$6 and peak).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/17 10:34

## EAST Search History

L9	46	((spectroscop\$3 or spectrometer) near infrared) and (absorption with (largest or highest) with peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L10	453	250/339.13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L11	65827	((determin\$4 or detect\$4 or measur\$4) with gas with (mixture or concentration))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L12	1668	L11 and (microwave or ((klystron or gunn) near diode))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L13	315	spectroscop\$3 near microwave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L14	142	spectrometer near microwave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L15	395	L13 or L14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L16	43	L15 and L11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34

## EAST Search History

L17	11	L16 and (spectrum same peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L18	46	((spectroscop\$3 or spectrometer) near infrared) and (absorption with (largest or highest) with peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:35
S1	0	10/607572	US-PGPUB	OR	ON	2006/10/05 10:12
S2	0	(REISS near KEITH).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 10:15
S3	0	((determin\$4 or detect\$4 or measur\$4) with gas with (mixture or concentration)) same (sub-millimeter or submillimeter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 10:17
S4	280	((determin\$4 or detect\$4 or measur\$4) with gas with (mixture or concentration)) same microwave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:21
S5	449	spectroscop\$3 near3 microwave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 14:15
S6	107	(spectroscop\$3 near3 microwave) same gas	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 10:21
S7	42	S6 and oscillator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 10:21

## EAST Search History

S8	21	S7 and peak	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 10:21
S9	20	S8 and ((determin\$4 or detect\$4 or measur\$4) with gas)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 10:22
S10	8	S8 and ((determin\$4 or detect\$4 or measur\$4) with gas with (mixture or concentration))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 11:25
S11	1	S8 and ((determin\$4 or detect\$4 or measur\$4) with chemical with (mixture or concentration))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 12:58
S12	3	S10 and (compar\$4 same reference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:00
S13	14	S5 and (select\$4 near3 peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:15
S14	0	S5 and (select\$4 near3 peak) and (compar\$4 with referecne)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:00
S15	1	S5 and (select\$4 near3 peak) and. (compar\$4 with reference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:05

## EAST Search History

S16	3	S4 and (select\$4 near3 peak) and (compar\$4 with reference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:09
S17	411	250/339.13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:09
S18	401	250/339.13.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:10
S19	1	S5 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:09
S20	2	S4 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:09
S21	22	S18 and microwave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:13
S22	25	356/437.ccls. and microwave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:14
S23	0	356/437.ccls. and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:14

## EAST Search History

S24	471	356/437 and ((determin\$4 or detect\$4 or measur\$4) with gas with (mixture or concentration))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:15
S25	21	S24 and microwave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:15
S26	4	S25 and (select\$4 near3 peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:17
S27	5	S25 and (reference with peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:18
S28	3	S25 and (compar\$3 with peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:22
S29	62290	((determin\$4 or detect\$4 or measur\$4) with gas with (mixture or concentration))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:43
S30	1479	S29 and (microwave or ((klystron or gunn) near diode))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:22
S31	21	S30 and (compar\$3 same reference same peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:23

## EAST Search History

S32	23	S30 and (compar\$5 same reference same peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 14:44
S33	7	S29 and (select\$4 with largest with peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:41
S34	11	S29 and (select\$4 with highest with peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 14:45
S35	1	S29 and ((select\$4 with highest with peak) same compar\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 13:55
S36	12	("3197692"   "3348136"   "3350633"   "3372331"   "3585494"   "3691453"   "3691454"   "4593248").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 14:10
S37	289	spectroscop\$3 near microwave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 10:06
S38	139	spectrometer near microwave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 14:15
S39	366	S37 or S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 14:16

## EAST Search History

S40	0	S39 and (select\$4 with highest with peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:47
S41	43	S39 and S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 14:17
S42	11	S41 and (spectrum same peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 14:19
S43	1	S18 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 14:19
S44	15322	((determin\$4 or detect\$4 or measur\$4) with gas with composition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 14:44
S45	339	S44 and (compar\$5 same reference same peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 14:44
S46	33	S44 and (compar\$5 same reference same peak same spectrum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 14:45
S47	0	S46 and (select\$4 with highest with peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 14:45

## EAST Search History

S48	62290	((determin\$4 or detect\$4 or measur\$4) with gas with (mixture or concentration))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 10:04
S49	82	S48 and (generat\$4 with absorption with spectrum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:45
S50	0	S48 and ((generat\$4 with absorption with spectrum) same ((highest or largest) near peak))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:44
S51	0	S48 and ((generat\$4 with absorption with spectrum) and ((highest or largest) near peak))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:44
S52	17	S48 and (select\$4 with (largest or highest) with peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 10:06
S53	1	S48 and (select\$4 near2 (largest or highest) near2 peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 10:04
S54	1	(analy\$4 with gas with (mixture or concentration)) and (select\$4 near2 (largest or highest) near2 peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 10:05
S55	0	((spectroscop\$3 or spectrometer) near microwave) and (select\$4 with (largest or highest) with peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 10:06

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24	((("2457673") or ("2524290") or ("2792548") or ("3456185") or ("3691453") or ("3691454") or ("4181437") or ("4364008") or ("4482634") or ("4703273") or ("4711765") or ("4759210") or ("4896097") or ("4998433") or ("5057782") or ("5059927") or ("5124653") or ("5198776") or ("5548217") or ("5748309") or ("6012675") or ("6182011") or ("6281801") or ("6888342"))).PN.	USPAT	OR	OFF	2007/08/17 10:24
L2	20	1 and ((submillimeter or sub-millimeter or microwave) with spectr\$6 wtih gas\$3)	USPAT	OR	ON	2007/08/17 10:30
L3	8	2 and ((second or other or different or another or multiple) with gas\$3)	USPAT	OR	ON	2007/08/17 10:31
L4	0	2 and (((second or other or different or another or multiple) with gas\$3) same peak)	USPAT	OR	ON	2007/08/17 10:31
L5	0	((detect\$4 or metermin\$4 or measur\$4) chemical and gas and submillimeter and spectrum and peak).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/17 12:44
L6	4	((detect\$4 or metermin\$4 or measur\$4) chemical and gas and (microwave or sub-millimeter or submillimeter) and spectr\$6 and peak).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/17 10:33
L7	9	((detect\$4 or metermin\$4 or measur\$4) and gas and (microwave or sub-millimeter or submillimeter) and spectr\$6 and peak).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/17 10:34
L8	9	((detect\$4 or metermin\$4 or measur\$4) and gas\$3 and (microwave or sub-millimeter or submillimeter) and spectr\$6 and peak).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/17 10:34

## EAST Search History

L9	46	((spectroscop\$3 or spectrometer) near infrared) and (absorption with (largest or highest) with peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L10	453	250/339.13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L11	65827	((determin\$4 or detect\$4 or measur\$4) with gas with (mixture or concentration))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L12	1668	L11 and (microwave or ((klystron or gunn) near diode))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L13	315	spectroscop\$3 near microwave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L14	142	spectrometer near microwave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L15	395	L13 or L14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L16	43	L15 and L11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34

## EAST Search History

L17	11	L16 and (spectrum same peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:34
L18	46	((spectroscop\$3 or spectrometer) near infrared) and (absorption with (largest or highest) with peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 10:35
L19	0	((detect\$4 or determin\$4 or measur\$4) chemical and gas and submillimeter and spectrum and peak).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/17 12:44